

Algebra 2  
Mrs. Britton  
Polynomials – Long Division

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Divide. **\*\*SHOW ALL YOUR WORK\*\***

1. $(x^3 + 5x^2 + x - 10) \div (x + 2)$	2. $(3x^3 - 2x^2 - 26x - 24) \div (3x + 4)$
3. $(2x^3 - 17x^2 + 25x - 28) \div (x - 7)$	4. $(x^3 - 7x^2 + 6x + 8) \div (x - 2)$
5. $(x^2 + 15x + 50) \div (x + 5)$	6. $(x^3 + 3) \div (x - 1)$